## FIRE ALARM SYMBOL LEGEND SYMBOL DESCRIPTION FIRE ALARM CONTROL PANEL WITH VOICE ALARM AMPLIFIERS REMOTE ANNUNCIATOR PANEL DISTRIBUTED AMPLIFIER NOTIFICATION APPLIANCE CIRCUIT POWER SUPPLY AREA SMOKE DETECTOR - PHOTOELECTRIC DUCT SMOKE DETECTOR - PHOTOELECTRIC MANUAL PULL STATION-DOUBLE ACTION PEAKER/STROBE NOTIFICATION APPLIANCE-WALL MOUNT-WHITE SPEAKER/STROBE NOTIFICATION APPLIANCE-CEILING MOUNT-WHITE STROBE NOTIFICATION APPLIANCE-WALL MOUNT-WHITE TROBE NOTIFICATION APPLIANCE-CEILING MOUNT-WHITE SPEAKER NOTIFICATION APPLIANCE-WALL MOUNT-WHITE SPEAKER NOTIFICATION APPLIANCE-CEILING MOUNT-WHITE MONITOR MODULE СМ CONTROL MODULE DUCT SMOKE DETECTOR REMOTE TEST STATION MAGNETIC DOOR HOLD OPEN DEVICE WEATHERPROOF (EXTERIOR RATED APPLIANCE) STROBE CANDELA (15, 30, 75, 95, 110, 135, 177, 185) EOL END OF LINE RESISTOR

DESIGN CRITERIA	
CODES:	INTERNATIONAL FIRE CODE-2012 EDITION
	INTERNATIONAL BUILDING CODE-2012 EDITION
	INTERNATIONAL EXISTING BUILDING CODE-2012 EDITION
	NFPA 72-2002 EDITION
	NFPA 90A-2009 EDITION
	NFPA 101-2009 EDITION
	AMERICANS WITH DISABILITIES ACT

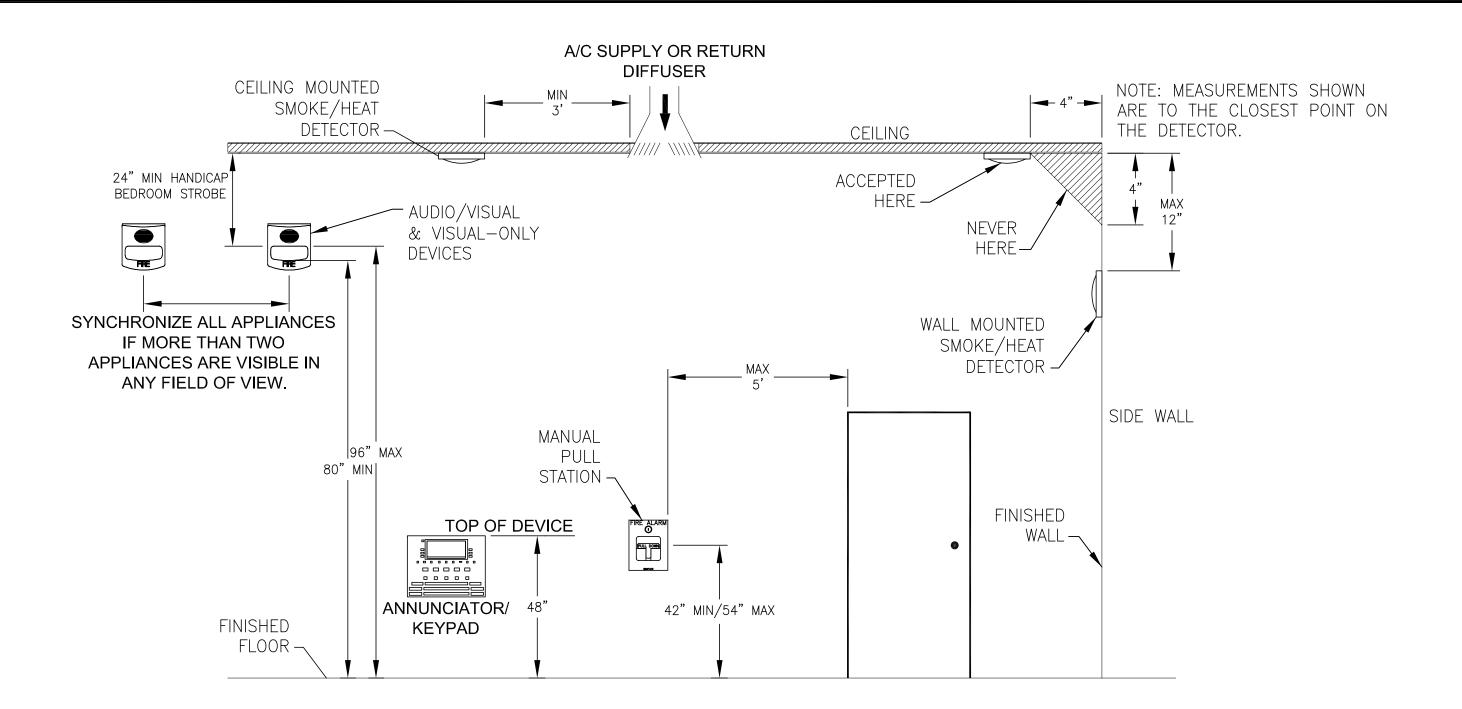
## GENERAL DEMOLITION NOTES

VA FORM 08-623

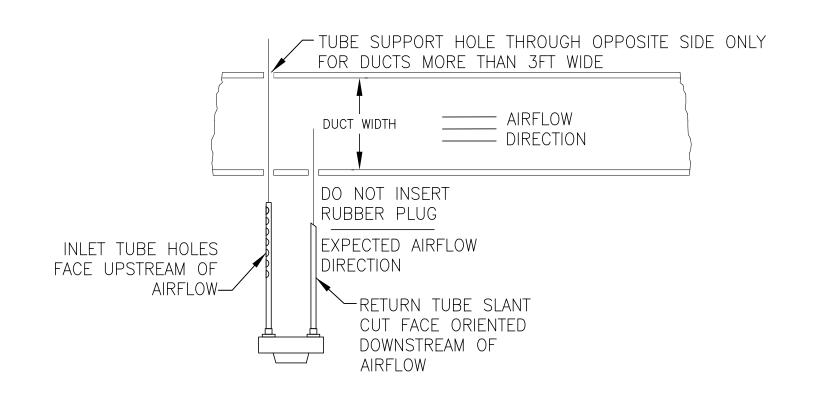
- 1. CONTRACTOR SHALL PROTECT CONSTRUCTION INDICATED TO REMAIN AGAINST DAMAGE AND SOILING DURING DEMOLITION.
- 2. CONTRACTOR SHALL NOTIFY ARCHITECT AND OWNER OF ANY DEFECTS AND/OR DECAYING MATERIALS FOUND IN THE EXISTING STRUCTURE PRIOR TO ENCLOSING NEW CONSTRUCTION.
- 3. CONTRACTOR SHALL PROTECT EXISTING MECHANICAL, PLUMBING, ELECTRICAL, FIRE PROTECTION, AND FIRE ALARM ITEMS TO REMAIN. REFER TO STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION NOTES.
- 4. SEE ELECTRICAL DRAWINGS FOR DEMOLITION OF ALL ELECTRICAL WIRING, RACEWAY AND EQUIPMENT NOT SERVING THE FIRE ALARM SYSTEM.
- 5. CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL HAZARDOUS WASTE REQUIREMENTS FOR HANDLING AND DISPOSAL OF ALL IONIZATION SMOKE DETECTORS.
- 6. ALL DEMOLITION AND CONSTRUCTION ACTIVITIES SHALL COMPLY WITH THE APPLICABLE CODES, AND ALL FEDERAL REQUIREMENTS.
- 7. THE CONTRACTOR SHALL PROVIDE A SCHEDULE TO THE OWNER INDICATING THE DEMOLITION SEQUENCE AND INSTALLATION SEQUENCE PRIOR TO BEGINNING WORK. THE CONTRACTOR SHALL PROVIDE WEEKLY UPDATES TO THE OWNER.
- 8. CONTRACTOR SHALL SECURE AND PAY ALL FEES AND PERMITS PERTAINING TO THE CONTRACT.
- 9. CONTRACTOR SHALL RESTORE EXISTING SYSTEMS, DEVICES, FINISHES, ETC., DAMAGED OR ALTERED BY WORK TO ACCEPTABLE CONDITION AS DETERMINED BY THE OWNER, ARCHITECT, AND ENGINEER.
- 10. EXISTING WORK REMOVED SHALL BE TURNED OVER TO THE OWNER OR DISPOSED OF AT THE OWNER'S DIRECTION. ALL WORK DISPOSED OF SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE PROMPTLY REMOVED FROM THE SITE. ALL EQUIPMENT TURNED OVER TO THE OWNER SHALL BE DELIVERED TO AN ON SITE CENTRAL RECEIVING LOCATION DESIGNATED BY THE OWNER.

## **GENERAL NOTES:**

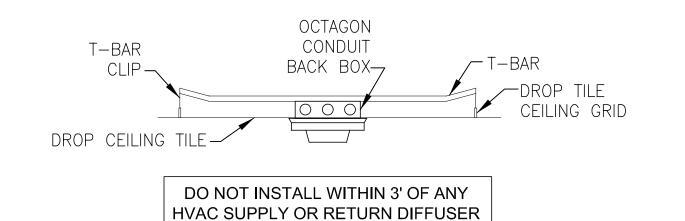
- 1. THE SCOPE OF WORK FOR THIS PROJECT CAN BE SUMMARIZED AS FOLLOWS: MODIFICATION OF THE EXISTING JOHNSON CONTROLS ADDRESSABLE FIRE ALARM SYSTEM AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS. THE SYSTEM EXPANSION/RENOVATION SHALL INCLUDE BUT NOT BE LIMITED TO WIRING, RACEWAYS, PULL BOXES, TERMINAL CABINETS, OUTLET AND MOUNTING BOXES, CONTROL EQUIPMENT, INITIATING DEVICES, ALARM NOTIFICATION APPLIANCES, REMOTE ANNUNCIATORS, NOTIFICATION APPLIANCE CIRCUIT POWER SUPPLIES, VOICE ALARM AMPLIFIERS, AND OTHER ITEMS REQUIRED FOR A COMPLETE OPERATING SYSTEM SATISFYING THE DRAWINGS AND SPECIFICATIONS.
- 2. EXISTING CONTROL EQUIPMENT SHALL BE MODIFIED/EXPANDED AS NECESSARY TO PROVIDE THE SYSTEM DEVICES AND EQUIPMENT AS SHOWN ON THE DRAWINGS.
- 3. THE EXISTING FIRE ALARM SYSTEM SHALL BE MAINTAINED IN OPERATIONAL CONDITION AT ALL TIMES. CONTRACTOR SHALL ONLY MODIFY THE EXISTING SYSTEM AS NECESSARY TO COMPLY WITH THE APPLICABLE CODES AND THE DESIGN DOCUMENTS.
- 4. ALL FIRE ALARM EQUIPMENT AND WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE REFERENCED CODES, STANDARDS, REGULATIONS, ORDINANCES, AND MANUFACTURERS INSTALLATION INSTRUCTIONS.
- 5. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE. THE DRAWINGS DEMONSTRATE THE CONFIGURATION OF THE MAJOR SYSTEM COMPONENTS. ALL NECESSARY COMPONENTS MAY NOT BE INDICATED. FINAL DEVICE QUANTITY AND THE SYSTEM LAYOUT ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- 6. FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL FIRE ALARM SYSTEM EQUIPMENT, DEVICES AND APPURTENANCES WITH OTHER TRADES. RESOLVE ALL CONFLICTS WITH CEILING OBSTRUCTIONS, LIGHTING, RETURN AND SUPPLY HVAC DIFFUSERS TO THE SATISFACTION OF THE OWNER AND IN ACCORDANCE WITH NFPA 72.
- 7. DO NOT SCALE THE DRAWINGS. ALL INFORMATION SHOWN ON THE DRAWINGS IS CONSIDERED TO BE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO THE EXECUTION (PROCUREMENT AND INSTALLATION) OF THIS CONTRACT.
- NOTIFY OWNER OF ANY DISCREPANCIES BETWEEN THE BUILDING CONDITIONS AND THE DRAWINGS THAT WOULD PROHIBIT EXECUTION OF THE DESIGN INTENT. DO NOT PROCEED WITH WORK UNTIL OWNER ISSUES CLARIFICATION OF THE DISCREPANCY.
- CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS (INCLUDING OUTAGE, HOT WORK, CONFINED SPACE) AND FEES REQUIRED TO RECEIVE APPROVAL OF THE WORK IDENTIFIED IN THE DRAWINGS AND SPECIFICATIONS FROM ALL AUTHORITIES HAVING JURISDICTION.
- 10. CEILING HEIGHTS WHERE CEILING MOUNTED VISUAL INDICATING APPLIANCES OR HEAT DETECTORS ARE LOCATED SHALL NOT EXCEED 10 FEET A.F.F. UNLESS NOTED
- 11. AREA SMOKE DETECTORS SHALL BE MOUNTED AT LEAST 3 FEET FROM ANY SUPPLY OR RETURN AIR DIFFUSER.
- 12. ALL FIRE ALARM WIRING SHALL COMPLY WITH THE CLASS AND STYLE WIRING AS CURRENTLY INSTALLED WITHIN THE BUILDING AS DEFINED IN NFPA 72.
- 13. ALL WIRING SHALL BE IN CONDUIT.
- 14. ALL WIRING SHALL BE TESTED CLEAR OF CIRCUIT OPENS, SHORTS, AND GROUNDS BEFORE CONNECTING TO ANY PERIPHERAL OR PANEL EQUIPMENT.
- 15. ALL EQUIPMENT INSTALLED SHALL BE 100% FUNCTIONALLY TESTED PRIOR TO SCHEDULING ANY FORMAL ACCEPTANCE TEST WITH THE OWNER.
- 16. CONTRACTOR SHALL PREPARE ACCURATE BATTERY, CURRENT DRAW, AND VOLTAGE DROP CALCULATIONS FOR ALL FIRE ALARM CIRCUITS
- 17. ALL POWER SUPPLIES INSTALLED SHALL BE LISTED FOR FIRE ALARM APPLICATIONS.
- 18. POWER SUPPLY CIRCUITS MUST PROVIDE A MINIMUM OF 20% SPARE CAPACITY PER CIRCUIT.
- 19. WALL MOUNTED VISUAL INDICATING APPLIANCES SHALL BE MOUNTED WITH THE TOP OF THE LENS A MAXIMUM OF 96" A.F.F. AND THE BOTTOM OF THE LENS AT 80" A.F.F.
- 20. SMOKE DETECTORS SHALL BE PROVIDED A MAXIMUM OF 5 FEET FROM EACH SMOKE OR FIRE/SMOKE DAMPER. SMOKE OR FIRE/SMOKE DAMPERS IN CORRIDORS SHALL BE PROVIDED WITH SMOKE DETECTORS A MAXIMUM OF 5 FEET FROM EVERY DAMPER.
- 21. SMOKE DETECTORS SHALL BE PROVIDED ON THE RETURN, SUPPLY, AND EXHAUST AIR DUCTS OF EVERY HVAC UNIT OR HVAC SYSTEM EXCEEDING 2,000
- 22. COORDINATE LOCATION, QUANTITY, AND INSTALLATION OF MONITOR MODULES SERVING FLOW SWITCHES AND TAMPER SWITCHES WITH SPRINKLER CONTRACTOR.
- 23. THE EMERGENCY VOICE ALARM COMMUNICATION SYSTEM SHALL HAVE THE CAPABILITY TO BROADCAST PRERECORDED AND LIVE VOICE MESSAGES IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING. SEPARATE PAGING ZONES ARE REQUIRED FOR EACH SMOKE COMPARTMENT.
- 24. NOTIFICATION APPLIANCES SHALL COMPLY WITH THE REQUIREMENTS OR PRIVATE MODE NOTIFICATION AS DEFINED IN NFPA 72.
- 25. ALL SEQUENCE OF OPERATIONS SHALL MATCH THE EXISTING SEQUENCE AS CURRENTLY PROGRAMMED FOR THE FIRE ALARM SYSTEM. ANY CHANGES TO THE SEQUENCE OF OPERATION SHALL REQUIRE APPROVAL OF VA.



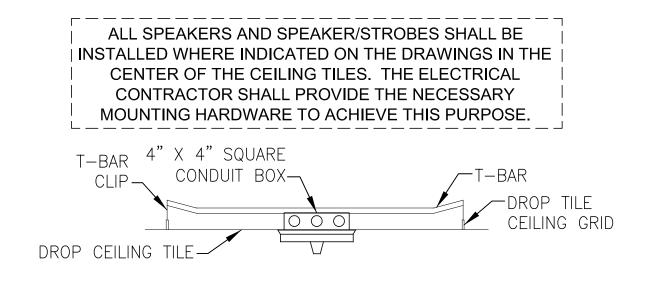
1 Typical Device Mounting Detail Scale: N.T.S.



2 Duct Smoke Detector Installation Detail Scale: N.T.S.



3 Smoke Detector Flush Mount Detail



Ceiling Speaker/Speaker-Strobe Mounting Detail Scale: N.T.S.

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